



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

## भाग III—खण्ड 2

## PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE  
PATENTS AND DESIGNS

*Calcutta, the 10th January 1976*

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

*4th December, 1975*

2302/Cal/75. General Electric Company. Coupling capacitor voltage or potential transformer having improved phase characteristics.

2303/Cal/75. Indian Drugs & Pharmaceuticals Limited (A Govt. of India Undertaking). An improved process for the manufacture of thiothiamine, its sulphate and thiaminechloride hydrochloride (Vitamin B<sub>1</sub>).

2304/Cal/75. Imperial Chemical Industries Limited. Anaesthetic composition. (December 6, 1974).

2305/Cal/75. Chemie Linz Aktiengesellschaft. Process for the preparation of raw mix for the production of cement and sulphuric acid.

2306/Cal/75. Chemie Linz Aktiengesellschaft. Process for the purification of waste gypsum.

*5th December, 1975*

2307/Cal/75. Messrs. East Anglia Plastics (India) Limited. Process for the extraction of pure titanium dioxide from red mud (A ferro-alum plant waste).

407GI/75

2308/Cal/75. S. M. Mononen. Vehicle loading itself and transporting self-produced load.

2309/Cal/75. Dynamit Nobel Aktiengesellschaft. A process for carrying out countercurrent exchange operations, more especially ion-exchange reactions. (October 29, 1975).

2310/Cal/75. Metallgesellschaft A.G. Process of burning carbonaceous materials.

*6th December, 1975*

2311/Cal/75. BBC Brown, Boveri & Company Limited. Closed loop control method for starting a steam-heated heat exchanger and apparatus therefor.

2312/Cal/75. International Standard Electric Corporation. Electric cables.

2313/Cal/75. Indian Oxygen Limited. Improvements in compressed gas cylinders. [Addition to No. 133966].

*9th December, 1975*

2314/Cal/75. Indian Institute of Technology and Sri Nirmal Bhushon Ray. Remote-drive reciprocating pump.

2315/Cal/75. Metal Box Limited. Containers.

2316/Cal/75. Jitendra Nath Das. A device for making and baking of country bread or chapati.

*10th December, 1975*

2317/Cal/75. Arbrook, Inc. Oxydiacetaldehyde compositions and processes.

2318/Cal/75. Meffna S.A. A device comprising two pieces held together in spaced apart relation by joining elements.

2319/Cal/75. Massachusetts General Hospital and American Hospital Supply Corporation. Am no acid formulations for patients with liver disease and method of using same.

2320/Cal/75. The Lucas Electrical Company Limited. Electrical switch. (December 24, 1974).

2321/Cal/75. Jet Research Center, Inc. Removing coatings from pipe.

2322/Cal/75. Westinghouse Brake and Signal Company Limited. Empty/load brake control valve apparatus. (February 8, 1975). [Addition to No. 165/Cal/74].

2323/Cal/75. Eszakmagyarorszag Vagyimuvek and Novenyvedelmi Kutato Intezet. Novel metal complexes of antimicrobial effect.

2324/Cal/75. Sumitomo Chemical Company, Limited. Process for producing aluminum.

2325/Cal/75. Anic S.P.A. Process for the suspension polymerization of vinyl chloride.

#### APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

24th November, 1975

333/Bom/75. Ahmedabad Textile Industry's Research Association. A device for detecting, recording and measuring tightness and slackness in a closed loop oscillating system and a modified shedding mechanism for a loom.

334/Bom/75. Ahmedabad Textile Industry's Research Association. A device or instrument for tracing the profile of cams or tappets and plotting any parameter which is a function of a cam profile.

335/Bom/75. Ahmedabad Textile Industry's Research Association. Novel means for reducing variation in cyclic speed of main (crank) shaft of a loom.

336/Bom/75. Ahmedabad Textile Industry's Research Association. The formulations of print pastes meant for white and coloured resists under reactive dyes on textiles, and a process of printing textile therewith.

337/Bom/75. Ahmedabad Textile Industry's Research Association. The formulations of print pastes meant for white and coloured resists under ingrain colours on textiles and method of printing textile therewith.

338/Bom/75. Ciba-Geigy of India Limited. Process for the manufacture of nitroimidazoles.

339/Bom/75. Jivan Abdurrahim Saboowala. Improvements in or relating to domestic appliances.

27th November, 1975

340/Bom/75. D. Sunger. The electrical mat heating system for table surface.

341/Bom/75. M. A. Valdia. An automatic reversing gear for hand operated washing machine for garments.

26th November, 1975

342/Bom/75. M/s. Saraf Manufacturers. Meat mincing machine.

27th November, 1975.

343/Bom/75. Larsen & Toubro Limited. Tap-on-press attachment for tapping holes.

344/Bom/75. Bhabha Atomic Research Centre. Preparation of insecticidal principles of garlic.

28th November, 1975

345/Bom/75. Larsen & Toubro Limited. A forming tool for use in the manufacture of bottle caps.

346/Bom/75. Ruston & Hornsby (India) Ltd. A conversion means for converting a standard liquid fuel compression ignition engine into a pilot injection gas engine and a converted engine so obtained.

29th November, 1975

347/Bom/75. A. B. Masurekar. A hardness testing device for metals and alloys.

348/Bom/75. M/s. Meckoni Industries. Sure-grip screw drivers.

349/Bom/75. M/s. Meckoni Industries. Sure wedge screw-driver/tester.

350/Bom/75. M/s. Meckoni Industries. Sure hold-screwdrivers/tester.

1st December, 1975

351/Bom/75. D. G. Tilak. A universal dolly or the like.

352/Bom/75. J. Bagga. Improvements in tiffin boxes with internal heating devices.

4th December, 1975

353/Bom/75. The Bombay Textile Research Association. A unique method for the recovery of petroleum distillates from exhaust gases.

#### APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH).

27th November, 1975

191/Mas/75. Maini Precision Products Pvt. Ltd. Automatic voltage monitor cut-out for electrical appliances—ABHAY-DELUXE.

192/Mas/75. Maini Precision Products Pvt. Ltd. Automatic voltage monitor cut-out for electrical appliances—NIRBHAY.

#### ALTERATION OF DATE

138244.	}	Post-dated 4th December, 1973.
61/Bom/73.		
138236.	}	Ante-dated to 4th January, 1966.
1161/Cal/75.		
138243.	}	Ante-dated to 14th September, 1971.
926/Cal/74.		
138265.	}	Ante-dated to 2nd May, 1972.
2428/Cal/74.		
138266.	}	Ante-dated to 2nd May, 1972.
2429/Cal/74.		

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 107C. I.C.—F02b 17/00. 138228.

INTERNAL COMBUSTION ENGINE FOR STRATIFIED CHARGE OPERATION.

DR. GUENTER STAHL, 7910 NEU-ULM, GARTENS-TRASSE 17, FEDERAL REPUBLIC OF GERMANY.

Application No. 478/Cal/73 filed March 3, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

An internal combustion engine having means to form a stratified fuel-air mixture charge operating on liquid or gaseous fuels, preferably hydro-carbons, said engine comprising a cylinder head with an "intake section" and an "exhaust section" forming the combustion chamber, further an intake valve in the intake section and an exhaust valve in the exhaust section, a spark plug being located in the intake section close to the intake valve, said cylinder head being so designed as to form a flow restriction between the said two sections.

CLASS 40F, 83A<sub>1</sub> & 132D. I.C.—B01t 1/00, 3/12. 138229. A23C 9/00.

METHOD FOR CONTINUOUSLY DISSOLVING A PULVERULENT MATERIAL AND AN APPARATUS THEREFOR.

NESTLE'S PRODUCTS LIMITED, OF NESTLE HOUSE, COLLINS AVENUE, NASSAU, BAHAMAS.

Application No. 553/Cal/73 filed March 13, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

A method for continuously dissolving a pulverulent material, such as herein described, in a liquid which comprises spraying the pulverulent material with the liquid as the pulverulent material flows into a chamber and causing liquid to flow in a thin layer along the inner surface of the chamber entraining and dissolving the material, a part of the solution so formed being directed to flow in a thin layer along the inner surface of the said chamber.

CLASS 17A<sub>1</sub> & 83A<sub>1</sub> + A<sub>2</sub> + A<sub>3</sub> + A<sub>4</sub> & B<sub>2</sub>. 138230.

I.C.—A21d 2/08, 2/18, 13/00, 13/06, 13/08, A23C 3/08, A23G 5/00, A23L 1/00, 1/02, 1/10, 1/16 & 3/34.

A PROCESS OF STABILISING AND REDUCING THE NUTRITIONAL VALUE OF A FOOD MATERIAL.

HAYASHIBARA BIOCHEMICAL LABORATORIES, INCORPORATED, OF NO. 2-3, 1-CHOME, SHIMOISHII, OKAYAMA-SHRI, OKAYAMA-KEN, JAPAN.

Application No. 851/Cal/73 filed April 10, 1973.

Convention date January 3, 1973/(50700/73) AUSTRIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5. Claims. No drawings.

A process of stabilising and reducing the nutritional value of a food material as hereinbefore described which comprises, admixing said food material with pullulan to wholly or partly replaced starch therein.

CLASS 32C + E. I.C.—C07C 103/52. 138231.

A PROCESS FOR THE PREPARATION OF BIOLOGICALLY ACTIVE POLYPEPTIDES CONTAINING ASPARAGINYL GROUP.

RICHTER GEDEON VEGYESZETI GYAR RT., OF GYMROI UT 21, BUDAPEST X, HUNGARY.

Application No. 1081/Cal/73 filed May 8, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims. No drawings.

A process for the preparation of biologically active polypeptides of the general formula I.

Ser—Tyr—Ser Met—Glu—His—Phe—Arg—Trp—Gly—Lys—Pro—Val—Gly—Lys—Lys—Arg—Arg Pro—Val—Lys—Val—Tyr—Pro—Asn—Gly—Ala—Glu—Asp—Glu—Q, wherein Q represents one of the groups

(a) Ser—OH,

(b) Ser—Ala—OH,

(c) Ser—Ala—Glu—OH,

(d) Ser—Ala—Glu—Ala—OH,

(e) Ser—Ala—Glu—Ala—Phe—OH,

(f) Ser—Ala—Glu—Ala—Phe—Pro—OH,

(g) Ser—Ala—Glu—Ala—Phe—Pro—Leu—OH,

(h) Ser—Ala—Glu—Ala—Phe—Pro—Leu—Glu—OH, or

(i) Ser—Ala—Glu—Ala—Phe—Pro—Leu—Glu—Phe—OH,

which comprises the step of: reacting a first peptide of the formula

BOC—Ser—Tyr—Ser—Met—Glu (OtBu)—His—Phe—Arg—Trp—Gly—Lys(BOC—Pro—Val—Gly—OH with a second polypeptide of the formula

Lys(BOC)—Lys(BOC)—Arf—Arg—Pro—Val—Lys(BOC)—Val—Tyr (tBu)—Pro—Asn—Gly—Ala—Glu (OtBu)—Asp (OtBu)—Glu (OtBu)—Q

in equimolar amount with the first polypeptide and in the presence of excess pentafluorophenol and dicyclohexyl carbodiimide at a temperature of about 0°C.]

CLASS 116 D+H.I. C.-B66d 3/04.

138232.

## HAND OPERATED GEAR HOIST.

ALEXANDR ALEXANDROVICH GOTOVTSEV, OF LENINGRADSKY PROSPEKT, 122, KORPUS 2, KV. 158, MOSCOW, U.S.S.R., (2) MUNYA-KHAIM SKULEVICH KATSMAN, OF TAMBOV, ULITSA MICHURINSKAYA, 76, KV. 58, U.S.S.R., (3) VALDEMAR EVGENIEVICH LIZGUNOV, OF NOVYE MYTISCHI, ULITSA SCHERBAKOVA, 15A, KV. 37, MOSCOW, U.S.S.R., (4) ROBERT PETROVICH MASHKOV, OF ULITSA KOMINTERNA, 18/4, KV. 16, MOSCOW, U.S.S.R., (5) FELIX EDUARDOVICH MIKUSHEVICH, OF ULITSA ALLEI ZHEMCHUGOVOL, 5, KORPUS 1, K.V. 174, MOSCOW U.S.S.R., (6) VLADIMIR IVANOVICH POLYVYANNY, OF TAMBOV, BULVAR ENTUZIASTOV, 41, KV. 61, U.S.S.R., (7) PETER NIKOLAEVICH RYBKIN, OF VOLGOGRADSKY PROSPEKT, 181, KORPUS 1, KV. 212, MOSCOW, U.S.S.R., AND (8) ALEXANDRO-SEVER JULIEVICH SHPIGEL, OF ULITSA 26, BAKINSKIKH KOMISSAROV, 7, KORPUS 3, KV. 72, MOSCOW, U.S.S.R.

Application No. 1121/Cal/73 filed May 11, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims.

A hand-operated gear hoist comprising a traction wheel screwed on to a braking sleeve, a ratchet wheel loosely mounted on said braking sleeve, a traction chain placed around said traction wheel, a helical stop to prevent the jamming of the traction chain during operation and sprockets with recesses and projections to receive the links of a load chain wherein the load chain sprockets are provided with slots and recesses to receive the chain links extending in two mutually orthogonal planes, characterised in that a projection is provided on the intermediate portion of the recess bottom to receive the links extending in one and same plan.

CLASS 32F, &amp; 55D, I.C.-C07C 101/10, C07C 101/42.

138233.

## METHOD FOR PREPARING DIALKYL AMMONIUM-2, 4-DICHLOROPHENOXYACETATES.

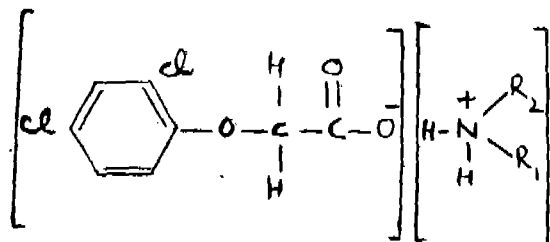
UNIVEX EXPLORATION & DEVELOPMENT CORPORATION LIMITED, OF E.B. SASOON BUILDING, SHIRLEY & PARLIAMENT STREETS, NASSAU, BAHAMA ISLANDS.

Application No. 1241/Cal/73 filed May 26, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims.

A method for preparing a compound of the formula shown in the accompanying drawing.



wherein  $R_1$  and  $R_2$  are radicals each selected from the group consisting of methyl and ethyl, which comprises reacting dichlorophenoxyacetic acid with a dialkylamine having the formula  $R_1R_2NH$  wherein  $R_1$  and  $R_2$  have the meanings defined above, optionally in the presence of an inert solvent, such as herein described, and drying under vacuum at a temperature less than  $100^\circ\text{C}$  for a period of time sufficient to form the desired product.

CLASS 129C, I.C.-B28d 5/00.

138234.

## A MACHINE FOR DRILLING HOLES IN PRINTED CIRCUIT BOARDS.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

Application No. 1481/Cal/73 filed June 26, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

A machine for drilling holes in printed circuit boards comprising:

(i) an Electromagnetic relay to work a crank lever which operates a link rod up and down to raise and lower the stylus pin which moves up and down within a set position due to the up and down motion of the semiautomatic feed mechanism the semi-automatic feed mechanism gets locked automatically after a complete cycle of the rotor.

(ii) a spring loaded drill table mounted below the head which spring loaded drill table descends due to the stylus pin pressure when the stylus pin impinges on the drill table due to the downward movement of semi-automatic feed mechanism a drill is independently mounted within the drill table whereby the drill pierces through a stack of printed circuit boards placed on the drill table when the drill table descends due to the pressure of the stylus pin.

CLASS 179C + F, I.C.-B65d 41/32.

138235.

## CLOSURES FOR CONTAINERS.

THE METAL BOX COMPANY LIMITED, OF 37, BAKER STREET, LONDON W-1A 1AN, ENGLAND.

Application No. 2774/Cal/73 filed December 20, 1973.

Convention date December 20, 1972/(58732/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 45 Claim.

A closure of the kind hereinbefore specified for containers wherein the lines of weakening defining the tear-out panel of the cap comprise a first said line and a second said line, joined at a first end of said lines and extending on the end panel portion to terminate at a respective second end of each said line in the peripheral position of the cap, the second end of said first line of weakening being at or adjacent to stop means for preventing rupture of the first line from rupturing the terminal edge, and said second line of weakening being of substantially greater length on the end panel portion than said first line and having its second end at or adjacent to the terminal edge, and the pull tab means being carried by the tear-out panel in the region of the said first ends of the lines of weakening.

CLASS 32F.b, I.C.-C07d 99/24.

138236.

## PROCESS FOR PREPARING INTERMEDIATE COMPOUNDS IN PREPARING CEPHALOSORIN COMPOUNDS HAVING ANTIBIOTIC ACTIVITY.

ELI LILLY AND COMPANY, AT 740 SOUTH ALABAMA STREET, INDIANAPOLIS, INDIANA, UNITED STATES OF AMERICA.

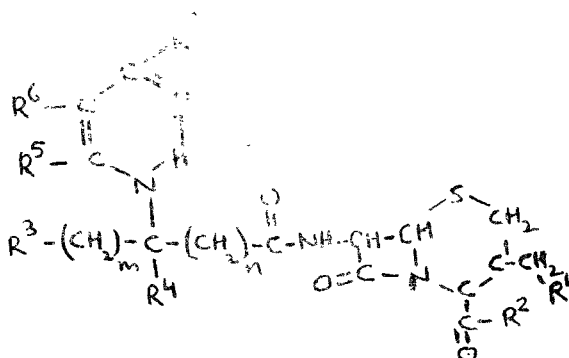
Application No. 1161/Cal/75 filed June 12, 1975.

Division of Application No. 103305 filed January 4, 1966.

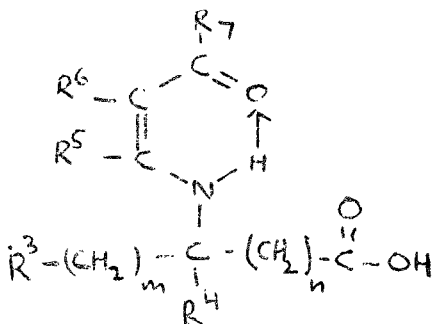
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims.

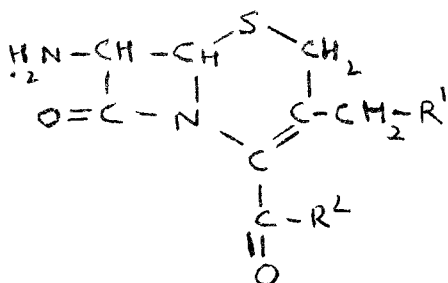
A process for preparing compounds represented by the formula II.



in which  $R^1$  is acetoxy or pyridino;  $R^2$  is OH when  $R^1$  is acetoxy;  $R^2$  is O- when  $R^1$  is pyridino;  $R^3$  is  $C_1-C_6$  alkyl,  $C_6-C_{10}$  cycloalkyl, phenyl, naphthyl, thienyl, benzothienyl, furyl, benzofuryl, indolyl, or pyridyl;  $R^4$  is hydrogen, methyl or ethyl; and  $m$  and  $n$  are 0 or 1;  $R^5$  taken alone is hydrogen, lower alkyl, or phenyl;  $R^6$  taken alone, is hydrogen, lower alkyl, phenyl-substituted lower alkyl, or phenyl;  $R^7$ , taken alone, is hydrogen, lower alkyl, lower alkoxy or phenyl;  $R^8$  and  $R^7$ , when taken together with the carbon atoms to which they are attached, complete a carbocyclic ring having the structures of benzene or naphthalene; and  $R^5$  and  $R^7$ , when taken together with the intercounting carbon atoms, complete a  $C-C_7$  cycloliphatie ring; which comprises reacting an N-protected amino acid of the formula III.



wherein  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$ ,  $R^7$ ,  $m$  and  $n$  are as defined above, with a cephalosporin nucleus represented by the formula IV.



wherein  $R^1$  and  $R^2$  are as defined above, form an N'-protected aminoacyl cephalosporanic acid represented by formula II which is isolated or converted in a conventional manner to a salt with a pharmaceutically acceptable cation.

CLASS 39G. I.C.-C01f 7/56.

138237.

## PRODUCTION OF ALUMINIUM CHLORIDE.

ALUMINIUM COMPANY OF AMERICA, OF ALCOA BUILDING, PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 1323/72 filed September 4, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 33 Claims.

Process for the production of aluminum chloride which comprises reacting chloride at a temperature of between about 450—800°C with alumina having an average alpha alumina content of less than about 5% by weight, said alumina being intermixed with carbon and compositely having an average hydrogen content of less than about 0.5% by weight and an average carbon content of about 15—24% by weight based on the total alumina, carbon and hydrogen content present, remainder essentially CO, to form a gaseous effluent containing aluminum chloride and carbon oxides in which at least 25% by weight of such carbon oxides is carbon dioxide, and recovering the aluminum chloride from the gaseous effluent.

CLASS 72B & 84C<sub>2</sub> + D. I.C.-C06b 5/04, C101 10/02, C101/9/10.

138238.

## A PROPELLANT POWDER COMPOSITION AND BLOCK OF PROPELLANT FUEL MOULDED FROM SUCH COMPOSITION.

SOCIETE NATIONALE DES POUDRES ET EXPLOSIFS, OF 12 QUAI HENRI IV, 75181 PARIS, CEDEX 04, FRANCE.

Application No. 2172/72 filed December 16, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6. Claims. No drawings.

A propellant powder composition, which comprises nitro-cellulose, an explosive oil of calorific value greater than 1,200 cal/g, at least one plasticiser, stabiliser and combustion catalyst, (such as herein described), and also from 14 to 25% by weight of the composition, of cyclotrimethylenetrinitroamine or cyclotetramethylenetetranitroamine.

CLASS 35E. I.C.-C04b 35/04.

138239.

## METHOD OF PRODUCING MAGNESIA REFRACTORY GRAINS.

SHIN NIHON KAGAKU KOGYO KABUSHIKI KAISHA, 1-25-1, HAMA-DORI, DOJIMA, KITA-KU, OSAKA-SHI, OSAKA-FU, JAPAN.

Application No. 79/Cal/73 filed January 10, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims.

Method of producing magnesia refractory grains which comprises adding to an aqueous solution containing magnesium ion a member selected from the group consisting of quick lime, calcined dolomite, slaked lime and slaked dolomite, carrying out the reaction while maintaining the reaction mixture at a pH value not lower than 11.2, and dead-burning the resultant magnesium hydroxide to give the magnesia refractory grains.

CLASS 14B. I.C.-H01m 21/00, 23/00.

138240.

## AN IMPROVED PRIMARY DRY CELL AND A PROCESS FOR MANUFACTURE THEREOF.

GEEP FLASHLIGHT INDUSTRIES LIMITED OF 28, SOUTH ROAD, ALLAHABAD-1, UTTAR PRADESH, INDIA.

Application No. 1869/Cal/73 filed August 13, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A primary dry cell the surface of the dolly of which is coated with a barrier film of a non-reactive hardenable polymeric material, wherein said barrier is a spray-coated film and wherein said polymeric material comprises polyvinyl alcohol.

CLASS 172D, I.C.-D01h 1/12.

138241.

FIBRE SEPARATING ROLL FOR OPEN-END SPINNING MACHINE.

MASCHINENFABRIK RIETER A.G., OF WINTERTHUR, SWITZERLAND.

Application No. 852/Cal/74 filed April 16, 1974.

Convention date June 5, 1973/(26681/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 20 Claims.

A fibre-separating roll for an open-end spinning machine which is rotatably mounted in a housing and comprises a clothing around its periphery for combing out fibres which, together with a cylindrical inner surface of the housing, forms an annular duct for guiding a fibre-carrying airstream under reduced pressure from a feed zone through a dust-extraction zone to the opening of a fibre-transfer duct leading to a spinning rotor, wherein a surface is provided along the periphery of the roller, laterally of the clothing, which forms a laterally extending gap opening into a zone of higher pressure with respect to an opposite inner surface of the housing.

CLASS 73, I.C.-D06C 7/02.

138242.

METHOD AND APPARATUS FOR SETTING FABRIC IN A WEFT-STRAIGHTENED STATE.

WIRA, OF HEADINGLEY LANE, LEEDS LS6 1BW, YORKSHIRE, ENGLAND AND MATHER & PLATT LIMITED, OF PARK WORKS, MANCHESTER, M10 6BA, LANCASHIRE, ENGLAND.

Application No. 1478/72 filed September 21, 1972.

Convention date February 22, 1972/(8026/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 16 Claims.

A method of setting a fabric in a weft straightened state comprising the successive steps of straightening the weft of the fabric, reducing but not eliminating the longitudinal tension in the fabric in a tension reducing zone, passing the fabric along a path adjacent to a surface between the tension-reducing zone and a setting zone, the fabric and surface being urged into frictional contact over substantially the whole of the surface, and setting the fabric in the setting zone.

CLASS 32F, I.C.-C07d 33/34.

138243.

MANUFACTURE OF PYRIDOQUINOLINE CARBOXYLIC ACIDS.

IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, S.W.1, ENGLAND.

Application No. 926/Cal/74 filed April 24, 1974.

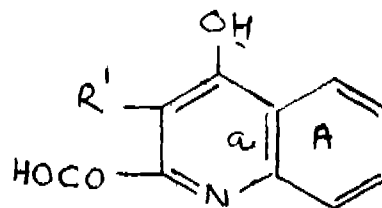
Convention date October 5, 1970/(47151/70) U.K.

Division of Application No. 132899 filed September 14, 1971.

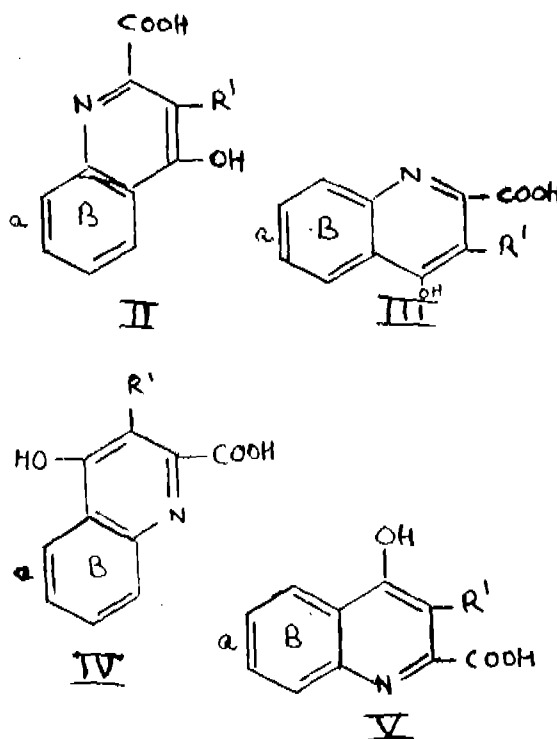
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

Process for the manufacture of pyridoquinoline derivatives of the formula I.



wherein the benzene ring A stands for a group of the formula II, III, IV or V.



wherein a in the formula II to V indicates the common bond between the pyridine ring and the benzene ring A in the formula I, R' stands for hydrogen or a methyl radical; and the benzene ring B may optionally bear not more than two substituents selected from C<sub>1-3</sub> alkyl, cycloalkyl of not more than 6 carbon atoms, C<sub>1-3</sub> alkoxy, trifluoromethyl, phenyl and phenoxy radicals, and halogen atoms, and NR<sup>a</sup>R<sup>a</sup> radicals wherein R<sup>a</sup> stands for a C<sub>1-3</sub> alkyl radical and R<sup>a</sup> stands for a C<sub>1-3</sub> alkyl or phenyl radical or wherein-NR<sup>a</sup>R<sup>a</sup> stands for a nitrogen-containing heterocyclic radical of not more than 7 ring atoms; or, in the case of formula II or IV, the said benzene ring B may optionally bear an alkyne radical of 3-5 carbon atoms; and wherein when R' stands for a methyl radical, the compounds are 1, 7-phenanthroline derivatives only, bearing either a C<sub>1-3</sub> alkyl, C<sub>1-4</sub> alkoxy, phenoxy, piperidino or morpholino substituent in the 5- or 6-position, or bearing 5, 6-dimethyl or 5-phenyl-6-methoxy substituents, or bearing a 5, 6-alkylene substituent of 3-5 carbon atoms; and non-toxic pharmaceutically-acceptable salts thereof; but excluding 2, 8-dicarboxy-4, 10-dihydroxy-1, 7-phenanthroline and non-toxic pharmaceutically-acceptable salts thereof; which comprises hydrolysing by method known per se, such as herein described, the corresponding alkyl, phenyl-alkyl or phenyl ester or the corresponding nitrile or amide, and, if desired, converting in known manner the products so obtained to their non-toxic pharmaceutically-acceptable salts.

CLASS 99H. I.C.-B65d 89/02, 37/00.

138244.

## COLLAPSIBLE CONTAINERS.

SHIRISH PURSHOTTAMDAS MEHTA AND SHAILESH PURSHOTTAMDAS MEHTA, AT SHIV-SADAN, NEAR KADAVA PATIDAR HOSTEL, PANCHVATI AHMEDABAD-6, GUJARAT, INDIA.

Application No. 61/Bom/73 filed February 19, 1973.

Post-dated to December 4, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 14 Claims.

A collapsible container comprising a large sheet of rubberised textile fabric, and a small sheet of same fabric, the former being cut away at corners, bias or straight, independent strips of same fabric, of relatively small width, on all sides of the smaller sheet with approximately half their width free of the (small) sheet, the free portion of the strips being joined on both sides to the larger sheet by folding the sides of the latter over the smaller sheet, an input/output port and air-vent in one of the sheets, the corners of the container and joining lengths of the sheets being sealed by compatible sealing compound and/or pressure and/or heat, the sheet material being vulcanised after fabrication of the container, and, if and when desired, output/input port and air-vent being fitted with requisite valves.

CLASS 62-D &amp; 155B. I.C.-D06J 1/00, D06m

15/00 D01f 3/00, D01f 7/00.

138245.

## AN IMPROVED PROCESS FOR RESIN FINISHING OF TEXTILES.

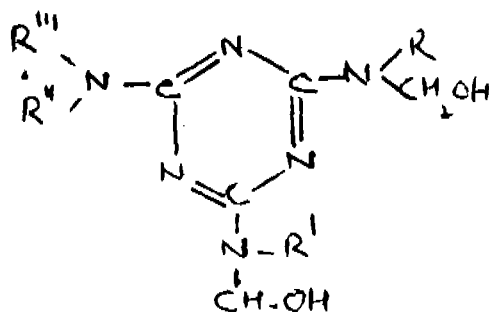
AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION P.O. POLYTECHNIC, AHMEDABAD-15, GUJARAT, INDIA.

Application No. 55/Bom/73 filed February 15, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 11 Claims.

A process of treating cellulosic textile, or blends of cellulosic textile of blends thereof with synthetic textiles in cloth or garment form the treatment comprising applying thereto in one or two stages a polyfunctional N-methylol crosslinking agent in the presence of an acidic or potentially acidic catalyst, characterized in that there is present during treatment a multifunctional softener of the general formula I.



in which R, R', R'' and R''' are as defined above, the textile being dried after each treatment and cured by methods known per se, when desired.

CLASS 44. I.C.-G04C 5/00.

138246.

## A TRANSISTOR CLOCK.

NARANJI BHAGWANJI JOSHI, TRADING AS SOHAM INDUSTRIES, AT G.I.D.C. SHADE NO. 6, JASDAN, DIST. RAJKOT, (GUJARAT STATE), INDIA.

Application No. 139/72 filed May 5, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims.

A transistor clock comprising a pendulum rod carrying a permanent magnet swingable between a pair electromagnetic coils spaced from each other due to the repulsive forces present in said coils, said coils being adapted to be energised by a battery through a transistor circuit, thereby making it electro-magnetised, said rod carrying a pawl which rotates an actuating pinion by one tooth for each oscillation of the said rod, said actuating pinion rotation an hour arm spindle and a minute arm spindle, a hour striking mechanism comprising a first cam revolving with the said minute arm spindle and actuating upon the completion of an hour, a spring loaded first lever closes a make and brake contact thereby energising a battery operated electrically motor, and in a manner known in the art, said motor when energised rotating a second cam which causes a striker to strike against a gong.

CLASS 136B + C. I.C.-B28C 1/14, C08b 9/00, 21/20, 138247.

## IMPROVEMENTS IN APPARATUS FOR PROCESSING VISCOUS MATERIALS.

RIETER-WERKE DIPL.-ING. WALTER HANDLE GMBH, OF SCHNECHENBURGSTRASSE 11, D-775, KONSTANZ, FEDERAL REPUBLIC OF GERMANY.

Application No. 289/Cal/73 filed February 9, 1973.

Convention date January, 10, 1973/(50918/73) AUSTRIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 35 Claims.

Apparatus for processing viscous materials, such as clay or clay-like materials, including a housing having an inlet and an outlet, at least one rotary conveying member having a plurality of peripheral projections of uniform height distributed over its width, said projections extending in the rotation direction and, over at least part of their path of rotation, extending nearly to the housing wall, and a scraping member at the housing outlet which engages in the spaces between the projections, the said projections being spaced further apart in the central region of the conveying member than in the outer regions thereof.

CLASS 32F1 + F2b. I.C.-C07d 35/24, 35/26 &amp; 35/30, 138248.

## PROCESS FOR THE PREPARATION OF 2H-3-ISOQUINOLONES.

UCB S.A., OF CHAUSSEE DE CHARLEROI, SAINT-GILLES-BRUXELLES, BELGIUM.

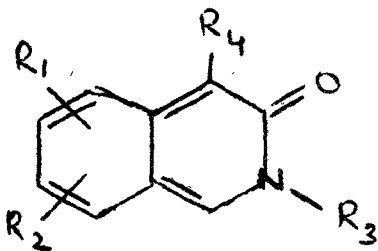
Application No. 1393/Cal/73 filed June 14, 1973.

Convention date June 16, 1972/(28226/72) U.K.

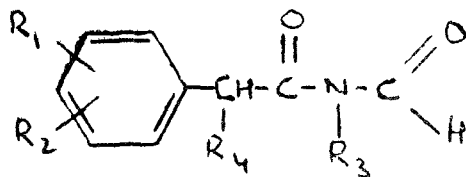
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 16 Claims.

A process for the preparation of a 2H-3-isoquinolone having the formula I.



wherein  $R_1$  and  $R_2$  represent each a member selected from the group consisting of hydrogen, halogen, alkyl having 1 to 6 carbon atoms, alkoxy having 1 to 6 carbon atoms, aryl, halogen-substituted aryl, lower alkyl-substituted aryl and lower alkoxy-substituted aryl, and  $R_3$  and  $R_4$  represent each a member selected from the group consisting of hydrogen, alkyl having 1 to 6 carbon atoms, lower alkoxy-substituted lower alkyl, alkenyl having 2 to 6 carbon atoms, alkynyl having 2 to 6 carbon atoms, cycloalkyl having 3 to 6 carbon atoms, aryl, aryl-lower alkyl and halogen-substituted aryl-lower alkyl, which comprises the steps of cyclizing an N-formyl-2-phenyl-acetamide of the formula II.



wherein  $R_1$ ,  $R_2$ ,  $R_3$  and  $R_4$  have the same meaning as above, with a cyclo-dehydration agent, as herein described.

CLASS 206E. I.C.-G01C 21/16.

138249.

# AN INERTIAL GUIDANCE SYSTEM FOR AIRCRAFT.

FERRANTI LIMITED, HOLLINWOOD, LANCASHIRE, ENGLAND.

Application No. 1608/Cal/73 filed July 10, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

An inertial guidance system for aircraft based on a ship, the system comprising, on each aircraft a three-axis inertial platform, the system also including reference equipment, common to the said aircraft, for location on the ship and including a three-axis reference inertial platform, means for operating the reference equipment so that in operation the reference platform is maintained in a predetermined horizontal plane and orientated in a predetermined compass direction, pickoff means for deriving signals from the reference platform to represent orthogonal components of the ships acceleration and velocity at the reference platform, computing means for converting those derived signals to local resolved values at each aircraft in dependence on the distance and bearing of the aircraft from the reference equipment, and means for applying those local resolved signals to the inertial equipment of the aircraft to cause its inertial platform to be levelled prior to take-off.

CLASS 85Q. I.C.-F27b 7/38.

138250.

# A PROCESS FOR INCREASING THE COOLING EFFECT OF A ROTARY FURNACE PLANETARY COOLER AND DEVICE FOR CARRYING OUT THE SAME.

KLOCKNER-HUMBOLDT-DEUTZ AKTIENGESELLSCHAFT, OF 5, KOHN-DEUTZ, DEUTZ-MULHEIMER STRASSE 111, FEDERAL REPUBLIC OF GERMANY.

Application No. 1617/Cal/73 filed July 13, 1973.

Convention date March 9, 1973/(10822/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 14 Claims.

A method of increasing the cooling effect of a rotary furnace planetary cooler, characterized in that cooling liquid, preferably water, is sprayed through the cool air inlet end of the planetary pipes into the inner chamber of the planetary pipes by means of stationary nozzles which are periodically co-ordinated with the furnace speed.

CLASS 63B + H. I.C.-H02K 1/00

138251.

# MOUNTING STRUCTURE FOR FERRITE CORE USED IN THE ROTOR OF MAGNETO-GENERATORS.

MITSUBISHI DENKI KABUSHIKI KAISHA, OF 2-3, MARUNOUCHI, 2-CHOME, CHIYODAKU, TOKYO, JAPAN.

Application No. 1777/Cal/73 filed August 1, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims.

A mounting structure for mounting an annular ferrite core to an annular portion of a magnetic member on the internal surface, the ferrite core being magnetized radially of the annular portion, comprising at least one groove on the ferrite core running radially of the annular portion, an annular magnetic pole piece disposed on that surface of the ferrite core opposite to the annular portion of the magnetic member, a fastening screw loosely inserted into the groove and screw threaded into the magnetic pole piece to fix both the ferrite core and the magnetic pole piece to the annular portion of the magnetic member, and a casing for enclosing the ferrite core, characterized in that, the casing is formed of a non-magnetic resinous material and encloses those lateral surfaces of the ferrite core disposed in parallel to the direction of magnetization of the ferrite core, and that the casing includes a plurality of pairs of protrusions disposed in opposite relationship in the circumferential direction of the annular portion of the magnetic member and contacted by the adjacent portions of the lateral core surfaces under pressure.

CLASS 67C & 129G. I.C.-B21d 43/28, G05d 5/06, 13/00.

138252.

# FLYING CUT-OFFS FOR MACHINES FOR HANDLING ELONGATED PRODUCTS.

TUBE INVESTMENTS OF INDIA LIMITED, OF TIAM HOUSE, 11/12, NORTH BEACH ROAD, MADRAS 1, TAMILNADU, INDIA.

Application No. 25/Mas/73 filed February 24, 1973.

Convention date February 29, 1972/(9253/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 8 Claims.

A flying cut-off for elongated continuously moving stock, such as tube emerging from a tube-making mill, comprising a carriage carrying a cutting-off tool, a pneumatic ram acting on the carriage and serving to accelerate the carriage up to the speed of the stock, a latch holding the carriage back while the pressure in the ram builds up, means sensing the speed of movement of the stock, pressure regulating means that regulate the final pressure reached by the pneumatic ram before release of the latch, and means acting on the pressure regulating means in accordance with the speed sensed by the sensing means so that the pressure to which the ram is charged is automatically and continuously varied in accordance with the speed of movement of the stock.



CLASS 131A, I.C.-E02d 17/00.

138253.

**APPARATUS FOR LOADING BOREHOLES WITH FLUENT MATERIAL.**

IMPERIAL CHEMICAL INDUSTRIES LIMITED OF IMPERIAL CHEMICAL HOUSE, MILBANK, LONDON, SW1P 3JF, ENGLAND, AND ROCK FALL COMPANY LIMITED, OF DEALSTON ROAD, BARRHEAD, GLASGOW, SCOTLAND.

Application No. 1252/Cal/73 filed May 29, 1973.

Convention date May 31, 1972/(25492/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**16 Claims.**

An apparatus for loading a cavity with a fluent material, the apparatus comprising a loading tube having means for attaching one end to a supply of fluent material and the other end to a supply of fluid under pressure, and a double-acting piston freely and slidably positioned within, and movable along the loading tube whereby fluent material in the tube against one side of the piston may be displaced therefrom by feeding the fluid under pressure into the tube against the other side of the piston.

CLASS 172C, I.C.-D01g 15/02.

138254.

**AN ELECTRONIC STOP MOTION UNIT FOR CARDING ENGINES IN TEXTILE INDUSTRY.**

PITTIE ELECTRONICS, OF 3, MANGALDAS ROAD, POONA-1, MAHARASHTRA STATE, INDIA.

Application No. 14/Bom/73 filed January 10, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

**7 Claims.**

An electronic stop motion unit for a carding engine, comprising a tripping lever device for switching the carding engine ON or OFF, a sliver tension sensing unit for sensing any variation in the sliver tension, and an electronic circuit for operating said tripping lever device when the sliver tension sensing unit responds to a change in sliver tension, said tripping lever device comprising a tripping lever mounted on a shaft and having a first arm for manual rotation and a second arm for engaging the disengagement lever of the carding machine, a locking cam also mounted on said shaft and a first limit switch with its roller located adjacent said cam and having two sets of contacts so that when said cam moves it abuts said roller and causes the contacts to the other, a solenoid or a tripping coil having a core or plunger the lower end of which is connectable to a handle of the disengagement lever and a pivotally mounted locking lever one end whereof is joined to said lower end of the plunger and the other end whereof engages said locking cam when the tripping coil is not energised; said sliver tension sensing unit comprising a sliver lever adjustably mounted on a pin mounted on bearings for smooth and free rotation, a weight adjustably mounted on said sliver lever for counter-balancing the sliver lever against tension of yarns of different counts and an electrical contact mounted on said pin and positioned to move into contact with another electrical contact located in the proximity of said electrical contact when said pin turns; said electronic circuit comprising a contractor unit the input terminals whereof are connectable to an external power supply, the output terminals whereof are connected to the tripping coil and to one set of terminals of said limit switch of said tripping lever device and the contractor coil which is connected to a first relay, said relay being provided in the collector-emitter circuit of a first transistor with the electrical contacts of said sliver tension sensing unit provided in the collector-base circuit of said first transistor so

2-407GI/75

as to render said transistor conducting immediately said electrical contacts close, the other set of terminals of said limit switch of said tripping lever being connected to an electronic timer unit and to an auxiliary relay which auxiliary relay is also connected to said contractor coil of said contractor unit so that electrical power supply to said contractor unit is cut off immediately the contact of said auxiliary relay change over.

CLASS 63A, I.C.-H02K 17/04.

138255.

**COMMUTATORLESS REPULSION START ALTERNATING CURRENT SINGLE PHASE INDUCTION TYPE ELECTRIC MOTOR.**

DR. PALGHAT SRIRAMULU SRINIVASAN, PROFESSOR OF ELECTRICAL ENGINEERING, REGIONAL ENGINEERING COLLEGE, CALICUT, KERALA STATE AND THOMAS JOSEPH, LECTURER IN ELECTRICAL ENGINEERING, REGIONAL ENGINEERING COLLEGE, CALICUT, KERALA STATE, K. P. P. GERVADIS, CALICUT, KERALA, INDIA.

Application No. 104/Mas/73 filed July 26, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

**1 Claim.**

A commutatorless repulsion start alternating current single phase induction type electric motor; comprising a rotor carrying a single phase distributed winding with its terminals brought out through slip rings and brushes arrangements, as done in any known rotor fed machine, for giving connection to AC supply; a stator carrying a uniformly distributed secondary winding of mesh type, wound for the same number of pairs of poles as that of rotor primary winding with sixappings  $A_1, A_2, B_1, B_2, C_1, C_2$  such that the angles of separation between tapping  $A_1$  &  $C_1$ ,  $C_1$  &  $B_1$ ,  $B_1$  &  $A_1$ ,  $A_2$  &  $C_2$ ,  $C_2$  &  $B_2$  and  $B_2$  &  $A_2$  are respectively each equal to 60 degrees electrical and the tappings  $A_1, B_1$  &  $C_1$  are respectively connected to the  $T_1$  terminals of a set of three main triacs  $M_1, M_2$  &  $M_3$  whose  $T_1$  terminals are respectively connected to the tappings  $A_2, B_2$  &  $C_2$ , three identical noninductive wire wound resistors  $R$  respectively connected through the terminals  $T_1$  &  $T_2$  of a set of three auxiliary triacs  $N_1, N_2$  &  $N_3$  across the tappings  $A_1$  &  $A_2$ ,  $B_1$  &  $B_2$  and  $C_1$  &  $C_2$ ; and a rotor position sensor of mechanical switch type or of electromagnetic type or of any other known type fitted with the rotor shaft.

CLASS 101E, I.C.-G01f 1/00, G01p 5/00.

138256.

**A DEVICE FOR MEASURING FLUID FLOW RATES.**

SHINIVASA BALASUBRAMANIAN, No. 4, IV, CROSS STREET, MADRAS-600028, TAMIL NADU, (INDIA).

Application No. 39/Mas/74 filed March 1, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

**5 Claims.**

A device for measuring flow rate of gases and liquids comprising a straight tube of uniform cross section having a scale attached thereon and a hollow or solid tapered rod having its lower end larger in diameter than its upper end being provided coaxially inside the said straight tube, a float having a hole in the centre which passes through the said tapered rod and is capable of rising as fluid enters into the said straight tube and finding an equilibrium position at a particular level during the fluid flow which can be noted by means of an attached scale or graduations on the tube itself and from which the flow rate can be known.

CLASS 77C, I.C.-C11C 3/00.

138257.

## TREATMENT OF RICE BRAN OIL.

HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166-BACKBAY RECLAMATION, BOMBAY-20, MAHARASHTRA, INDIA.

Application No. 113/Bom/73 filed March 30, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 9 Claims.

A process for treatment of rice bran oil, which is suitable for the preparation of a hardened oil with an iodine value of less than 60 by a conventional hardening process such as hereinbefore described, comprising subjecting the rice bran oil to a treatment with phosphoric acid, subsequently to a treatment with brine, and removing the acid by known methods.

CLASS 39-0 & 40B, I.C.-C01b 33/28, B01j 1/08, B01j 11/06.

138258.

## A PROCESS FOR MAKING ZEOLITIC MOLECULAR SIEVES FROM CLAYS.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.

Application No. 1947/72 filed November 21, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims. No drawings.

A process for the production of molecular sieve zeolites from kaolinitic group of clays which is characterised in that the clay after beneficiation and heat treatment at 700-800°C is digested with 1-6N alkali for periods ranging from 5 minutes to 12 hours depending upon the concentration of alkali used for dissolution of zeolite forming constituents and simultaneous formation of sodium aluminosilicate gel followed up by dilution with water and crystallization of the gel at 100°C to obtain the sodium form of molecular sieve zeolite having a pore diameter equivalent to 4Å.

CLASS 69A + G, I.C.-F01h 19/00, 21/00, 73/00, 85/00.

138259.

## A MULTI-POLE CIRCUIT BREAKER.

WESTINGHOUSE ELECTRIC CORPORATION, OF PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA.

Application No. 376/Cal/73 filed February 20, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims.

A multi-pole circuit breaker comprising an insulating circuit breaker housing and, disposed therein, a circuit breaker mechanism including contacts for each pole and a releasable member releasable to effect automatic opening of the contacts of all poles, a multi-pole trip device including an insulating trip device housing and, disposed therein, a trip bar common to all poles and movable to a tripped position to effect release of said releasable member, and, for each pole, a separate fuse supported within the circuit breaker housing

and without the trip device housing, each fuse being connected in series with the contacts of the associated pole and including plunger means moving to an extended position when the fuse blows, characterized in that for each pole there are provided a separate opening formed in said trip device housing opposite said trip bar, and a separate intermediate plunger extending through said opening in alignment with the trip bar and with the plunger means of the associated fuse, each intermediate plunger being biased toward an unactuated position in which the end thereof next to the trip bar is spaced from the latter, and the plunger means of each fuse, upon movement thereof to said extended position, driving the associated intermediate plunger into engagement with said trip bar so as to effect movement thereof to said tripped position.

CLASS 136B &amp; 151C, I.C.-B29f 3/08,

B29G 2/00.

138260.

## METHOD OF MAKING ELONGATED ARTICLES OF POLYOLEFIN MATERIAL.

DUNLOP LIMITED, OF DUNLOP HOUSE, RYDER STREET, ST. JAMES'S LONDON, S.W.1., ENGLAND.

Application No. 454/Cal/73 filed March 1, 1973.

Convention date March 4, 1972/(10221/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims.

A method of making an elongated article such as herein described by means of extruding under high pressure a polymer composition comprising a non cross-linked polyolefin having a high molecular weight and a finely divided platelet-type filler such as herein described.

CLASS 33A &amp; 50D, I.C.-B22d 35/06.

138261.

## IMPROVEMENTS IN COMPONENTS USING CAST-IN COOLING TUBES.

JAMES BROWN & SONS LIMITED, OF COMMERCIAL STREET, MIDDLESBROUGH, TEESSIDE, TS2 1QA, EN. GLAND.

Application No. 595/Cal/73 filed March 16, 1973.

Convention date March 20, 1972/(12993/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

A metallic casting of the type comprising a channel for the circulation of a cooling fluid said channel being defined by a metallic tube embedded in the casting, said tube having ridged internal and external surfaces, the external surface area of said tube being between 2½ and 5 times the external surface area of a plain tube having an external diameter which is the same as the minimum external diameter of the ridged tube between the ridges.

CLASS 129J &amp; 133A, I.C.-B21b 37/00.

H02P 7/00.

138262.

## CONSTANT SPEED DRIVEN CONTINUOUS ROLLING MILL.

GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY 5, STATE OF NEW YORK, 12305, UNITED STATES OF AMERICA.

Application No. 1007/Cal/73 filed April 30, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

In a method of producing a strip of deformable material, the step of reducing the thickness of said strip by passing said material through a plurality of tandem rolling stands forming a continuous rolling mill wherein said strip is incrementally reduced in thickness by pre-determined amounts from an initial entry thickness to a final desired thickness, the improvement comprising driving each of at least two consecutive stands in said mill with substantially constant speed motors, measuring power to the drive motor of the upstream stand of said consecutive stands, detecting a power deviation to the drive motor of said upstream stand from a given reference power level after threading said strip through the rolls of the immediate downstream stand and automatically adjusting the roll gap of the downstream stand in response to the detected power deviation from said reference level.

CLASS 129E. I.C.-B21K 23/00.

138263.

A METHOD AND APPARATUS FOR MANUFACTURING LARGE FORGED COLLARS BY PRESS-WORKING ON A MANDREL, STARTING FROM A PIERCED BLANK.

CREUSOT-LOIRE, OF 5, RUE DE MONTESSUY 75007 PARIS, FRANCE.

Application No. 2570/Cal/73 filed November 22, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A method of forging a collar in a column press from a pierced blank, the press comprising a press head guided on four columns arranged in a rectangle, the longitudinal axis of the press lying parallel to the short side of the rectangle and the transverse axis lying parallel to the long side, there being further provided a mandrel for insertion into the blank, and supported by a pair of candles, and at least one crane mounted for movement on rails parallel to the longitudinal axis, wherein the blank is arranged under the press with its axis parallel to the transverse axis of the press, each candle is located on the said transverse axis and is provided with bearing surfaces on which is supported the mandrel to lie parallel to the said transverse axis, one of the said bearing surfaces being rotatable whereby the handling of the mandrel for location and rotation on the candles is effected by means of said one crane, the removal of a finished collar taking place along the longitudinal axis of the press.

CLASS 32F<sub>1</sub> + F<sub>6</sub>b. I.C.-C07d 57/22, 57/34.

138264.

A PROCESS FOR THE PREPARATION OF TRIAZOLO-PYRIDAZINES.

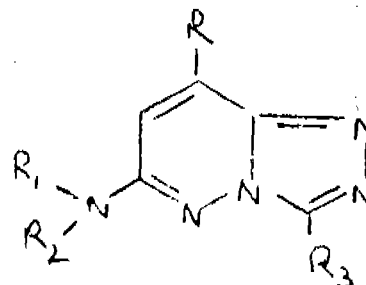
GRUPPO LEPETTI S.P.A., OF 8, VIA ROBERTO LEPE-TIT, MILAN, ITALY.

Application No. 2022/Cal/74 filed September 10, 1974.

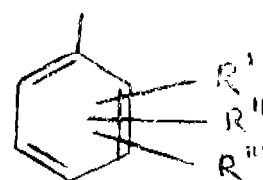
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

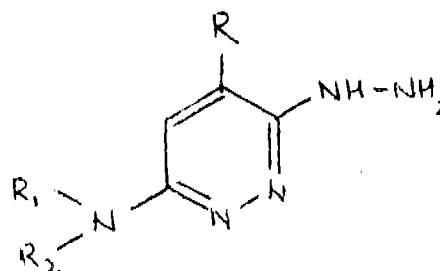
A process for preparing a compound of the formula I.



wherein R is hydrogen or lower alkyl; R<sub>3</sub> is hydrogen, lower alkyl or a phenyl radical of the formula shown in Fig. 1.



wherein R', R'', and R''' each independently represent hydrogen, alkyl of 1 to 3 carbon atoms, alkoxy of 1 to 3 carbon atoms, fluoro, chloro, bromo or nitro; R<sub>1</sub> and R<sub>2</sub> represent hydroxy-lower alkyl groups or taken together with the nitrogen atom represent a heterocyclic ring selected from pyrrolidine, piperidine, piperazine, N-lower alkyl piperazine and morpholine; with the proviso that at least one of R and R<sub>3</sub> is different from hydrogen and with the further proviso that, when simultaneously R is hydrogen and R<sub>3</sub> is a phenyl radical for the formula shown in Fig. 1, as above defined, R<sub>1</sub> and R<sub>2</sub> taken together with the nitrogen atom are different from pyrrolidino and piperidono; and the pharmacologically acceptable salts thereof, which comprises reacting a hydrazinopyridazine of the formula II.



wherein R, R<sub>1</sub> and R<sub>2</sub> have the same significance as above, or an acid mineral salt thereof, with an excess of the acid of the formula R<sub>3</sub>COOH, wherein R<sub>3</sub> has the same significance as above, or its corresponding acid halides and anhydrides, optionally in the presence of a solvent and of an acid acceptor, at the reflux temperature of the mixture.

CLASS 127H &amp; 153. I.C.-B24b 5/26, 17/00.

F16h 53/00, 53/06.

138265.

A CAM MEMBER FOR A CAM-CAM FOLLOWER SYSTEM.

TRI-ORDINATE CORPORATION, AT 343 SNYDER AVENUE, BERKELEY HEIGHTS, STATE OF NEW JERSEY, UNITED STATES OF AMERICA.

Application No. 2428/Cal/74 filed November 5, 1974.

Division of Application No. 102/72 filed May 2, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A cam member for a cam-cam follower system for movement through a path lying in a first plane, said cam member having;

(a) a first curved surface adapted to be engaged by a cam follower at a point lying in a second plane extending normal to said first surface at said point; and

(b) a second curved surface facing in a direction opposite to said first surface and including:

(1) first and second tracking sections disposed at different locations in a direction extending perpendicular to said first plane for engagement separately by two guide follower members disposed on opposite sides of said second plane, said two tracking sections being contoured relative to the first surface for progressively directing said first surface through said point as the cam member is moved through said path and between said cam follower and said guide follower members and for maintaining said first surface normal to said second plane as it passed through said point.

CLASS 127H & 153. I.C.-B24b 5/26, 17/00,

F, 16h 53/00, 53/06.

138266.

## A CAM-CAM FOLLOWER SYSTEM.

TRI-ORDINATE CORPORATION, AT 343 SNYDER AVENUE, BERKELEY HEIGHTS, STATE OF NEW JERSEY, UNITED STATES OF AMERICA.

Application No. 2429/Cal/74 filed November 5, 1974.

Division of Application No. 102/72 filed May 2, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A cam-cam follower system comprising:

(a) a cam having a first curved surface facing either inwardly or outwardly of said curve and a second curved surface facing in the direction opposite to said first surface and including first and second tracking sections;

(b) a cam follower engaging the first curved surface at a point lying a predetermined plane extending normal to the first surface at said point;

(c) separate guide follower members engaging separately against the first and second tracking sections, said members being disposed on opposite sides of said predetermined plane and said two tracking sections being contoured relative to the first surface for progressively directing said first surface through said point as the cam member is moved relative to the cam follower and guide follower members for maintaining said first surface normal to said predetermined plane as it passes through said point; and

(d) drive means for effecting movement of the cam relative to and between said cam follower and guide follower members.

CLASS 136F. I.C.-B29C 1/00.

138267.

## MOULD UNIT FOR A MOULDING MACHINE.

GOTTFRIED MEHNERT, LANKWITZER STRASSE 14-15, D-10000 BERLIN 42, WEST GERMANY.

Application No. 2553/Cal/73 filed November 20, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims.

A mould unit for a moulding machine including a pair of separable members comprising either mould halves or mould halves attached to clamping plates, and closing plates for opening and closing said members, each of said members being pivotally connected to one of said closing plates, a force accumulator disposed between each member and the corresponding closing plate to resist relative displacement there between, and guide beam means for said closing plates.

CLASS 69D + I. I.C.-H01b 35/00.

138268.

## IMPROVEMENTS IN OR RELATING TO A "FLAME-PROOF MAGNETIC FLOAT OPERATED LEVEL SWITCH".

LEVCON INSTRUMENTS (P) LTD., 57/15, BALLY GUNGE CIRCULAR ROAD, CALCUTTA-19, WEST BENGAL, INDIA AND SATRAJIT GUPTA, 162/12/1, LAKE GARDENS, CALCUTTA 45, WEST BENGAL, INDIA.

Application No. 2589/Cal/73 filed November 24 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims.

A flame-proof magnetic float operated switch characterised in that the contact block in it has a metal ring moulded around it thereby providing metal to metal contact between the body and the contact block and the portion of the metal ring of the contact block in close contact with the body has an axial width 9.5 to 15 mm.

CLASS 157Da. I.C.-E01b 27/00.

138269.

## APPARATUS FOR TAMPING AND LEVELLING A RAILWAY TRACK.

FRANZ PLASSER BAHNBAUMASCHINEN-INDUSTRIE-GESELLSCHAFT M.B.H., JOHANNESGASSE 3, VIENNA 1, AUSTRIA.

Application No. 69/Cal/74 filed January 9, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims.

A travelling track-levelling and tamping machine for tamping ballast beneath the sleepers by application of vibration and pressure on both longitudinal sides of the sleepers, more particularly in the region where rails and sleepers cross, said machine comprising depth-adjustable power-driven vibratory tamping tools adapted to be moved forward and at least one detector receiving or recording the actual and current track levels with the aid of a reference system and a control device regulating the power for a given degree of ballast compaction and optionally track-lifting gear, characterized by the combination of the following further features:

(a) at least one group of tamping tools (7) per sleeper comprising tools for tamping on both longitudinal sides of a sleeper (crib tamping tools 8) and also for tamping in the region in front of the sleeper ends (external tamping tools 9) with gear means for feeding forward (squeezing) and vibrating the tamping tools (25, 26, 10, 11);

(b) at least one stop device (12, 51) adjacent the tamping tool (8, 9) for fixing the correct track position in accordance with the reference system (5);

(c) a control unit (19, 41) including at least one regulating device (30, 31, 32, 37, 38) serving especially for pre-set regulation of the tamping tool feed power units (25, 26) and/or the vibratory power units (10, 11) for the tamping tools (8, 9) located at the longitudinal sides and also in front of the sleeper ends and at least one controlling or measuring member (6, 42) co-operating with the stop device (51) and optionally also with track-lifting gear.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy:—

(1)

118276 118605 118698 118719 118831 118832 118880 118950  
119474 119550 119617 119649 119667 119683 119946 120211  
120451 120925 120981 121032 121106 121177 121197 121221  
121465 121591 121802 122128 122350 122570 122854 123146  
123173 123234 123374 123390 124042 124516

## PATENTS SEALED

86514 94762 94812 98850 101076 108807 108980 111564  
122775 123864 124492 129209 132165 132894 134620 136510  
136532 136736 136742 136744 136778 136780 136781 136782  
136783 136786 136787 136788 136861 136862 136864 136867  
136869 136886 136890 136897 136899

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.  
(PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests:—

86382	}	National Research Development Corporation of India.
97191		
105607		
106819		
108703		
126662		
128684		
129038		
129510		
129940		
130396		
130472		
132089		
131109		
131392		
131605		
131843		
131985		
132694		
128412		

## RENEWAL FEES PAID

74371 74458 74987 75125 75144 80013 80079 80096 80097  
80098 80160 80176 80178 80190 80222 80289 80469 80470  
80664 80746 80912 81171 81211 81251 81252 81630 81947  
82019 82020 82348 85877 85952 86116 86139 86166 86257

86300 86369 86385 86408 86898 86986 87247 88953 91273  
91663 91705 91706 91707 91841 91934 91981 92008 92173  
92186 92221 92384 92385 92449 92529 94500 94627 94846  
96453 96477 96780 96781 96961 96987 97126 97127 97215  
97439 97543 97587 97613 97734 97828 97829 98355 98753  
98782 99061 101768 102858 102988 103044 103314 103431  
103499 103647 103902 103999 104236 104329 104582 104661  
104887 104954 107975 108104 108294 108391 108567 108750  
108763 108805 108962 108987 109304 109909 111232 112750  
113014 113530 113543 113557 113564 113565 113664 113937  
113961 113986 113987 114048 114127 114202 114284 114295  
114429 114430 114432 114802 114864 115116 115341 115553  
118512 118846 118864 118925 119126 119206 119209 119296  
119314 119382 119428 119509 119514 119551 119581 119589  
119782 119769 120015 120321 120413 120476 121768 123489  
123847 123848 124321 124373 124382 124585 124620 124649  
124677 124678 124712 124713 124724 124749 124803 124922  
124927 124928 125052 125066 125093 125252 125269 125821  
125897 126176 126546 127967 128143 128743 129117 129199  
129476 129488 129553 129576 129640 129769 129938 130000  
130106 130051 130116 130232 131702 131748 131772 131840  
132886 133092 133175 133528 133862 133887 133888 133896  
134007 134044 134056 134099 134188 134190 134193 134268  
134278 134287 134409 134411 134605 134786 134831 134880  
134930 135178 135252 135563 135674 135684 135685 136103  
136161 136376 136423 136576 136608 136609 136612 136614  
136615 136616 136625 136628 136632 136635 136637 136644  
136649 136651 136844

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 143150. Bombay Taxi Meter Works, 55, Kasturba Market (Sewa Nagar), New Delhi-3, a firm registered under the Indian Partnership Act, 1932, Indian Nationals. "Adapter for meter". June 27, 1975.

Class 1. No. 143231. Neelam Metal Industries, an Indian sole Proprietary firm of Fafadia Industrial Estate, Village Waliv, Tq. Bassein (East), Dist. Thana, Maharashtra, India. "Milk Cooker". July 17, 1975.

Class 1. No. 143239. Mohd. Yasin, Silver Smith Works, 278, Gali Garrhaya, Matia Mahal, Jama Masjid, Delhi-6, an Indian National. "Pot". July 22, 1975.

Class 1. No. 143240. Mohd. Yasin, Silver Smith Works, 278, Gali Garrhaya, Matia Mahal, Jama Masjid, Delhi-6, an Indian National. "Incense Burner". July 22, 1975.

- Class 1. No. 143241. Mohd. Yasin, Silver Smith Works, 278, Gali Garrhaya, Matia Mahal, Jama Masjid, Delhi-6, an Indian National. "Sprinkler". July 22, 1975.
- Class 1. No. 143263. Neelam Metal Industries, an Indian sole Proprietary firm of Fafadia Industrial Estate, Village Waliv, Tq. Bassein (East), Distt. Thana, Maharashtra, India, "Malik Cooker". July 25, 1975.
- Class 1. No. 143313. Philips India Limited, of Shivsagar Estate Block "A", Dr. Annie Besant Road, Worli, Bombay-18 (WB), Maharashtra State, India, an Indian Company. "An Indoor Lighting luminaire". August 8, 1975.
- Class 1. Nos. 143329 & 143330. Sankar Type Foundry Kallippadam, Shoranur-2, Kerala State, India, an Indian Sole Proprietary Concern, Indian. "The Malayalam Type Font". August 19, 1975.
- Class 3. No. 143036. Chakori Art Industries, Nivetia Road, Malad (East), Bombay-400064, Maharashtra, India. An Indian Partnership Firm. Indian Nationality. "Electric Plug". May 19, 1975.
- Class 3. No. 143037. Chakori Art Industries, Nivetia Road, Malad (East), Bombay-400064, Maharashtra, India. An Indian Partnership Firm. Indian Nationality. "Electric Switch". May 19, 1975.
- Class 3. Nos. 143038 & 143039. Chakori Art Industries, Nivetia Road, Malad (East) Bombay-400064, Maharashtra, India. An Indian Partnership Firm. Indian Nationality. Electric Socket. May 19, 1975.
- Class 3. Nos. 143428 & 143429. Aurobrite (India) Private Ltd., of 408, Himalaya House, Palton Road, Bombay-1, Maharashtra State, India, an Indian Company. "A Bangle". September 22, 1975.
- Class 4. Nos. 143395 & 143396. Mohan Meakin Breweries Limited, an Indian Company, Solan Brewery P.O. 173214, Simla Hills, Himachal Pradesh, India, "Bottle with Cap". September 11, 1975.
- Class 4. No. 143397. Mohan Meakin Breweries Limited, an Indian Company, Solan Brewery P.O. 173214, Simla Hills, Himachal Pradesh, India, "Bottle". September 11, 1975.
- Class 10. Nos. 143344 & 143345. Kaimco Plastic Industries, 1/A, Kundan Lane Bye Lane, Liluah-711204, (Howrah), West Bengal, An Indian Partnership firm. Indian National. "Shoe". August 23, 1975.

#### COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of General & Mechanical Engineering Industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calendar year, 1974 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

1	2	3	4	5
1.	126440	30-4-1970	Roche Ramchand Pardasani, Bhatia Bldg., 87, Ranade Road, Shivaji Park, Dadar, Bombay.	Locks.
2.	125531	5-5-1970	Kaiser Aluminium & Chemical Corporation, 300 Lakeside Drive, Oakland, California 94643, U.S.A.	Continuous casting.
3.	126640	12-5-1970	Casablancas Ltd., Coronation Road, London N.W. 10, England.	Textile fibre drafting mechanism.
4.	126673	14-5-1970	Roche Ramchand Pardasani, Bhatia Bldg., 87, Ranade Road, Shivaji, Park, Dadar, Bombay.	Locks.
5.	126692	16-5-1970	Mosca, Moscon & Cia, of 994 Tucuman Street, Buenos Aires, Argentina.	Wood pulp.
6.	126743	20-5-1970	USS Engineers and Consultants, Inc., 525 William Penn Place, Pittsburgh, State of Pennsylvania, U.S.A.	Sliding-gate closure for bottom-pour vessel removable as a unit.
7.	125761	22-5-1970	Nedschroff Octrooi Maatschappij N.V., Kanaaldijk 71, Helmond, The Netherland.	Furnace for heating bars, tubes or similar oblong articles.
8.	126861	29-5-1970	Basic Packaging Systems, Inc., Avon Lake, Ohio, County of Lorain, State of Ohio, U.S.A.	A chain of connected bag elements.
9.	126876	1-6-1970	Agfa-Gevaert N.V., 27, Septestraat, 2510 Martsel, Belgium.	Extrusion method and apparatus.
10.	126877	1-6-1970	Gideon Petrus Schoeman Yssel, of "Sanitas", P.O. Noordbrug, Pichefstroom, Transvaal Province, Republic of South Africa.	Vehicle head lamp adjusting means.
11.	126901	2-6-1970	Kurt Vogt, Beinwil a. See, Switzerland.	Method and machine for winding a tie means about a relatively rigid object.
12.	126947	5-4-1971	Dunlop India Ltd., 57B, Mirza Ghalib Street, Calcutta-700016.	Valve assembly.
13.	126975	8-6-1970	Inmont Corporation, 1133 Avenue of the Americas, New York, New York 10036, U.S.A.	Flexible microporous water vapour permeable sheet material.

1	2	3	4	5
14.	126976	8-6-1970	USS Engineers and Consultants, Inc., 525 William Penn Place, Pittsburgh, State of Pennsylvania, U.S.A.	Slidable gate closure on bottom pour vessels.
15.	126993	9-6-1970	Imperial Chemical Industries Ltd., Imperial Chemical House, Millbank, London, S.W.1., England.	Laminates articles.
16.	127049	12-6-1970	Glaverbel-Mecaniver, of 166, Chaussee de la Hulpe, Water-mael-Boitsfort, Belgium.	Article handling apparatus.
17.	127069	15-6-1970	E.L. Sumer, Eric Lawton Surmer, of M/s Earth Master Design & Tools, Kammani Chambers, Nicol Rd., Ballard Estate, Bombay-1.	Combination centre punch and light chisel
18.	127074	15-6-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Automatic slack adjuster for vehicle brake.
19.	127077	15-6-1970	Dr. Karl, F. Nagelsfeinmaschinenbau, Sturtgart-Hohe-nheim, Osumstrasse 1-15, Federal Republic of Ger-many.	Continuous stringer for a sliding clasp fastner.
20.	127078	15-6-1970	Gunwantral Chatrabhuji Sangani, of Saraswati Stores, Tajuapeth, Akola, Maharashtra.	Tooth brush and tongue cleaner combination.
21.	127197	23-6-1970	J.H. Enner & Co. Ltd., Marfleet, Hull, Yorkshire, Eng-land.	Folding of flexible sheet materials.
22.	127212	27-7-1970	Tekefunken, of 7900 ulm/Donou Elisabethenstr. 3, Ger-man Federal Republic.	Record carrier for storing recorded signals.
23.	127214	27-7-1970	Ted Bildplatten Aktiengesellschaft, AEG Telefunken Telodex, CH 6301, Zug/Schweiz Hamibuhl, : 8, Pastfoch 126, Switzerland.	Pressure pick up for reproducing deformations of recording carrier relatively when moved in its direction.
24.	127215	27-7-1971	Do.	Mechanism for driving of a play-back systems.
25.	127225	23-6-1969	The Metal Box Company of India Ltd., Barlow House 59C Chowringhee Road, Calcutta-20.	Hand Tool.
26.	127248	24-6-1970	USS Engineers and Consultants Inc, 525 William Penn Place, Pittsburgh, State of Pennsylvania, U.S.A.	Apparatus and method for pyro-processing into sinter raw materials pellets.
27.	127259	25-6-1970	Girling Limited, of Kings Road, Tyseley, Birmingham 11, England.	Automatic adjuster for shoe drum brake.
28.	127260	25-6-1970	Caterpillar Tractor Co., 100 N.E. Adams St., Peoria, Illinois, 61602, U.S.A.	Vehicle having pilot selector vale for Simul-taneously controlling separate fluid circuits.
29.	127306	29-6-1970	Lansing Bagnall Ltd., Kingsclere Road, Basing stoke, Hampshire, England.	Mounting devices for thyristors.
30.	127327	30-6-1970	Sulzer Brothers Ltd., Winterthur, Switzerland.	Cooling a gas stream.
31.	127345	1-7-1970	Mitsubishi Jukogyo Kabushiki Kaisha, of 5-1, Marun-nouchi 2-chome, Chiyoda-ku, Tokyo, Japan.	Tube furnace for heating.
32.	127366	2-7-1970	Metallurgical Development Company, Trust Bldg., Fre-derick, St. Nassen, Bahamas and Austral House, Ba-singhall Avenue, E. C. 2, in the city of London, England.	Condensation of Metal vapour.
33.	127373	30-3-1971	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1.	Prestrressed roofs or floors.
34.	127378	3-7-1970	C.A.V. Limited, Well Street, Birmingham 19, England.	Fuel injection nozzles.
35.	127381	16-7-1969	The Metal Box Company of India Ltd., Barlow House 59C Chowringhee Road, Calcutta 20.	Snap open cylindrical containers.
36.	127398	30-4-1971	Prasad & Company, of Shiupur, Varanasi, U.P.	Plant for producing cleaned hemp materials from hemp wastes and old hemp rope cuttings.
37.	127450	8-7-1970	RCA Corporation, 30 Rockefeller Plaza, New York, New York 10020, U.S.A.	Duplicates of optical or sound recordings.
38.	127481	9-7-1971	Koninklijke Emballage Industria Van Leer N.V., of Amsterdamsseweg 206, Amstelveen, The Nether-lands.	Containers.

1	2	3	4	5
39.	127492	10-7-1970	Wilhelm Schelkmann, 581, Witten Crengeldanz Str, 85 a, German Federal Republic.	Device for vulcanisation of prevulcanised treads or rings with normal or higher-profiles
40.	127505	13-7-1970	Metallurgical Development Company, of Trust Bldg., Frederick, St. Nasson, Bahamas and AUSTRAL House, Basing hall Avenue, E.C. 2, in the city of London, England.	Preparation of feed material for a blast furnace
41.	127510	13-7-1970	Universal Oil Products Company, 30 Algonquin Road, Des Plaines Illinois, U.S.A.	Vehicle seat.
42.	127529	13-7-1970	Vickers Limited, Vickers House, Millbank Tower, Mill bank, London N.W. 1, England.	Apparatus for treating refuse.
43.	127551	15-7-1970	Prerovske Strojirny narodni Podnik, of Prerov, Czechoslovakia.	Method of cooling granulous materials.
44.	127568	16-7-1970	Etsblissements Anver S.A., of 7 & 15 ,rue sidi Brahim, Paris 12 eme, Seine, France.	Methods of manufacturing thin material notable for making shoes, morocco-articles and similar products.
45.	127580	17-7-1970	Chemicals and Fibres of India Limited, of Crescent House , 19 Walchand Hirachand Marg, Bombay-1 BR.	Heat treatment of yarns and strands.
46.	127597	18-7-1970	Polymer Corporation Ltd., Sarnia, Ontario, Canada.	Process and apparatus for baling rubber like particulate tacky material.
47	127627	22-7-1970	The Metal Box Company of India Ltd , Barlow House, 59C Chowringhee Road, Calcutta-20	Composite screw caps for cream jars and like containers
48	127635	21-7-1970	Inmont Corporation, 1133 Avenue of the Americas, New York, New York 10036, U.S.A.	Novel water vapour permeable sheet material
49	127653	22-7-1970	Union Carbide Corporation , 270 Park Avenue, New York, State of New York 10017, U.S.A.	An erodible tuyere for supplying submerged injection of pressurized fluid into a heat of molten metal in reaction vessel
50	127662	23-7-1969	The Metal Box Company of India Ltd , Barlow House 59C Chowringhee Road, Calcutta-20.	Film cash bag with tuck in flap
51	127672	23-7-1970	The gillette Company, Prudential Tower Bldg, Boston, State of Massachusetts, U.S.A.	Metal articles such as razor blades.
52	127723	27-7-1970	George Angus & Company Ltd , Angus House, 152-158-Westgate Road, in the City and County of Newcastle upon-Tyne, England	Hoses
53	127756	28-7-1970	Dzere & Co , of Moline, Illinois, U.S.A.	Self -propelled harvesting machine
54	127772	28-7-1970	Alcan Research and Development Ltd , of 1, Place Ville Marie, Montreal, Quebec, Canada.	Filtering molten metal.
55	127785	29-7-1970	Calmic Ltd, of Crewe Hall, Crewe, Cheshire, England	Sanitary apparatus.
56	127787	29-7-1970	Girling Ltd, of Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Braking systems for vehicles.
57	127863	4-8-1970	Westinghouse Air Brake Company, Pittsburgh, State of Pennsylvania, U.S.A.	Braking and propulsion system for a railway Vehicle.
58	127864	4-8-1970	RCA Corporation, 30 Rockefeller Plaza, New York, New York, 10020, U.S.A.	Information recording media
59	127872	4-8-1970	Prerovsk Strojirny, of Prerov, Czechoslovakia	Heat treatment of lump and finely granulated materials
60	127877	4-8-1970	A/S Dansk Leca, A/S Lecabeton, of Paul Bergsesvej, 17, Glostrup, Denmark.	Rotary kiln for producing a bloated clay product.
61.	127900	5-8-1970	Wright Rain Ltd., Crowe, Ringwood, Hamshire, England	Rotary water sprinkler.
62.	127914	6-8-1970	Lucas. TVS Limited, 37 Mount Road, Madras-600 006.	Ignition distributors.
63.	127930	7-8-1970	Indian Jute Industries' Research Association, of 17/m Taratola Road, Calcutta-53, West Bengal.	Process for preventing migration of oily Matters from jute fibres and jute.
64.	127960	10-8-1970	Gould Inc, of E-1200 First National Bank Bldg., St. paul Minnesota, U.S.A.	Casting battery plates.



1	2	3	4	5
65	127973	11-8-1970	Union Carbide Corporation, 270 Park Avenue, New York, New York, 10017, U.S.A.	Cryogenic air separation process.
66	127984	11-8-1970	W.C. Heraeus GMBH, of Hanau, Heraeusstrasse, 12-14, German Federal Republic.	Coating of a pan with layer of hard substance.
67	128061	18-8-1970	Sumitomo Electric Industries Ltd, 15, 3-chome, Kita-Hama, Higashi-Kuh Osaka, Japan.	Heat treating hot rolled steel wire rod.
68	128064	18-8-1970	Francis Beatty Fishburne, 24 Summit Drive, Asheville, North Carolina, U.S.A.	Apparatus for compressing loose material into containers.
69	128079	19-8-1970	W & T Avery Ltd. Soho Foundry, Birmingham 40, England.	Load indicating apparatus.
70	128081	19-8-1970	Norton Co., of Worcester, Massachusetts, U.S.A.	Coated abrasive material.
71	128092	19-8-1970	Trutzschler & Co, of 407 Rheydt-Odenkirchen, West Germany.	Setting stack for pneumatically conveyed flakes.
72	128107	20-8-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Brake adjuster.
73	128137	22-8-1970	New York University, Washington Square, New York, New York, U.S.A.	Protecting and preventing stone objects.
74	128138	22-8-1970	Neyric-BMB, Rue General Mangin Grenoble, Isere, France.	Producing a diluted and homogeneous mixture of fibres in fluid.
75	128146	18-5-1971	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1	Mechanical salt transporter.
76	128159	25-10-1970	British Steel Corporation., of 33 Grosvenore Place, London, S.W.1, England.	Spigot and socket pipe joint.
77	128172	26-8-1970	William Stephen Schneider, 1765 Rehe Street, Glendale, California, U.S.A.	Multiple compartment package.
78	128197	27-8-1970	Hayday Valve and Equipment Company (Proprietary) Ltd. 11 Marconi Street, Heidelberg Industrial Township, Transvaal, Province, Republic of South Africa.	Valve.
79	128198	27-8-1970	Girling Ltd, of Kings Road, Tyseley, Birmingham 11, Warwickshire, England.	Servo motors especially for vehicles braking systems.
80	128199	27-8-1970	Cummins Engine Company Inc, 1000 Fifth St., Columbus Indiana, U.S.A.	Turbine casing.
81	128225	28-8-1970	Mofina S.A., of 5, route de Beaumont, Fribourg, Switzerland.	Sewing machine.
82	128226	28-8-1970	Angelo John Crisafulli, P. O. Box 1051, Glendive, Montana, U.S.A.	Centrifugal pump.
83	128231	29-8-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England.	Disc brakes.
84	128284	2-9-1970	Tsudakoma Industrial Co Ltd., 18-18, Nomachi 4-chome, Manazawa-shi, Ishikawa-ken, Japan.	An automatic apparatus for repair work in optimum sequence on malfunctions by grouped operating machines.
85	128299	4-9-1970	Deggendorfer Werft Und Eisenbau GmbH. of Oberhausen, Federal Republic of Germany.	Hinged barges.
86	128300	5-9-1970	Daimler-Benz AG., Stuttgart-Untertarkheim 700, West Germany.	Cooling water ducting in reciprocating piston internal combustion engine.
87	128303	5-9-1970	Glaverbel-Mecaniver, 166, Chaussees de la Hulpe, Watermael-Boitsfort, Belgium.	Drawing of sheet glass.
88	128304	5-9-1970	Conch International Methane Ltd., Boulevard Thompson Boulevard, Nasaau, N.P. Bahamas.	In ground storage arrangement for liquefied gases.
89	128321	8-6-1971	P.N.R. Rao and M.N. Gupta, Sugar Institute, Kanpur, U.P.	Device for cutting sugar cane for preparing the same in sugar industry.
90	128326	8-9-1970	Girling Ltd., of Kings Road, Tyseley, Birmingham 11, England.	Hydraulic braking systems of vehicles.
91	128343	8-9-1970	Herniann Papst, Karl-Maler-Strasse 1, St. Georgen, Schwar 2-Wald, Federal Republic of Germany.	A hollow body transporter for transporting utility gases.

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92.	128432	15-9-1970	Polymer Ltd., Sarnia, Province of Ontario, Canada.	Carpet underlay.
93.	128435	15-9-1970	Fulvio Cohti, of via Statuto 84, Bergamo, Italy.	Apparatus for finishing clothes.
94.	128447	16-9-1970	Conch International Methane Ltd., Boulevard House, Thompson Boulevard, Nassau N.P. Bahamas, Formerly of Columbus House, Shirley St, Nassau, The Bahamas.	Storage arrangement for liquefied gases.
95.	128448	16-9-1970	Linden-Alimak AB, 931 03 Skelleftea 3, Sweden.	Methods for mining in barren or orebodies.
96.	128478	18-9-1970	Girling Ltd, of Kings Road, Tyseley, Birmingham, 11 Warwickshire, England.	Disc brake.
97.	128481	18-9-1970	Libbey Owens Ford Co, 811 Madison Avenue, Toledo Ohio, U.S.A.	Bending glass sheets.
98.	128493	19-9-1970	Demag A.G., of 41, Dvisburg Wolfgang-Reuter-Platz, Federal Republic of Germany.	Cooling wide continuous metal castings particularly steel casting.
99.	128494	19-9-1970	C.A.V. Limited, Well Street, Birmingham 19, England.	Liquid fuel injection pumping apparatus.
100.	128548	22-9-1970	Monsanto Company, 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Extrusion of essentially inviscid jets.
101.	128566	23-9-1970	Shell Internationale Research, Maatschappij N.V., 30 Carel Van Bylandtlaan, The Hague, The Netherlands.	Removal of solid particles from an aqueous suspension thereof.
102.	128576	24-9-1970	Universal Oil Products Co., No. 30 Algonquin Road, Des Plaines, State of Illinois, U.S.A.	Continuous reforming regeneration process.
103.	128583	24-9-1970	Nippon Kokan Etc, 1-3, 1-chome Otemachi, Chiyoda-ku, Tokyo, Japan.	Method of free cutting lead steel.
104.	128597	25-9-1970	Caterpillar Tractor Co, of 100 N.E. Adams St, Peoria, Illinois 61602, U.S.A.	Cushioned track for earth working machine.
105.	128603	26-9-1970	Cigarette Components Ltd., Friendly House, 21-24 Chiswell Street, London EC1, England.	Cigarette filters.
106.	128611	26-9-1970	Textron Inc, of 10 Dorrance Street, Providence State of Rhode, Island, U.S.A.	Moulded plastic snap fastener.
107.	128622	28-9-1970	Huttenwerk Oberhausen Aktiengesellschaft, of 42 Obkerhausen, Essener St, 66, German Federal Republic.	Green pellets from pelletisable fine iron ore.
108.	128524	23-9-1970	Larsing Bagnall Ltd., Kingsclere Road, Basingstoke, Hampshire, England.	Manually operated steering system in vehicles.
109.	128648	29-9-1970	Do.	Industrial lift trucks.
110.	128650	29-9-1970	Philip Morris Incorporated, 100 Park Avenue, New York, New York 10017, U.S.A.	Razor with flexible band blade.
111.	128693	5-10-1970	The Goodyear Tire & Rubber Company, 1144 East Market Akron, Ohio, U.S.A.	A pneumatic city bus tire.
112.	128697	5-10-1970	Envirotec of 537 West sixth South Salt Lake City, U.S.A.	Float apparatus.
113.	128713	6-10-1970	Philip Morris Incorporated, 100 Park Avenue, New York, New York 10017, U.S.A.	Multiple blade razor.
114.	128758	12-10-1970	Shell Internationale Research Maatschappij N.V., Carel van Bylandtlaan 30, The Hague, The Netherlands.	Cooling of soot containing gases.
115.	128792	13-10-1970	Schubert & Salzer Maschinenfabrik AG., Friedrich-Ebertstrasse 84, 8076 Ingolstadt, Germany.	Apparatus for the automatic return of a thread and to the fibre collecting surface of a fibre band spinning machines.
116.	128806	13-10-1970	Navnitlal Manilal Rawal of 1034, Mali's Khadki, Near Sankadi Sheri, Ahmedabad-1.	Shuttleless looms.
117.	128833	15-10-1970	Kabel-Und Metallwerke Gutehoffnungshuttele Aktiengesellschaft, Postfach, 260, Vahrenwalder Strasse 271, 3000 Hannover, Federal Republic of Germany.	Continuous casting mould for casting metal.

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118.	128837	15-10-1970	Vereinigte Österreichische Eisen-und Stahlwerke Alpine Montan Aktiengesellschaft, of Wekksgelande, 4010 Linz, Vienna, Austria.	Measuring device for continuously measuring the temperature of metal baths.
119.	128843	16-10-1970	Girling Limited, Kings Road, Tyseley, Birmingham 11, England.	Vehicle braking system.
120.	128868	17-10-1970	N.Y. Bekaert S.A., Leo Bekaertstraat 1, B-8550 Zwevegem, Belgium.	Thermo-mechanical treatment of a work piece as well as a reinforcing element.
121.	128886	19-10-1970	Boise Cascade Corporation, 700 West Idaho Street, Boise, Idaho, 83701, U.S.A.	Impregnating corrugated card board.
122.	128888	19-10-1970	Jacques Maurico Gouget, 3 rue d8 Autruil, Paris 16 eme France.	Safety urinal.
123.	128891	19-10-1970	Textron Inc., of 10, Dorrance Street, Providence, State of Rhode, Island, U.S.A.	Snap fastner attaching machine.
124.	128894	19-10-1970	E.K. Witzig & R Frank, Shuttgard, Weildorf, Grenthese-waldstr, 19, West Germany.	Radial boring machine with radial drilling machine with a revolving arm.
125.	128895	19-10-1970	Do.	Radial drilling machine with a revolving arm.
126.	128922	21-10-1970	Polysar Ltd., of Sarnia, Ontario, Canada.	Foam rubber backed textiles.
127.	128934	21-10-1970	Asahi Glass Co Ltd. No. 1-2, Marunouchi, 2-Chome, Chiyoda-ku, Tokyo, Japan.	Forming continuous sheet glass.
128.	128951	22-10-1970	American Flange & Manufacturing Co. Inc., 30, Rockefeller Plaza, New York 20, New York, U.S.A.	A tear type bottle cap with panel gasket.
129.	128954	22-10-1970	E. P. Smits, 44a, Rue des Beguines, of 1080, Brussels, Belgium.	Process for making constructional elements.
130.	128957	23-10-1970	Glaverbel-Mecaniver, 166, Chaussées de la Hulpe, Water-mael, Boltsfort, Belgium.	Forming a refractory mass by spraying.
131.	128976	24-10-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England.	Brake shoes.
132.	128997	26-10-1970	Johne Manville Corpn. 22 East, 40th Street, New York, 16, U.S.A.	Filtering process for submicron and large particles from gas.
133.	129000	26-10-1970	Les Parsons & Sons (Engineers) Ltd, of Ashburnham Works, Burry Port, South Wales, Great Britain.	An onlon skinning machine.
134.	129022	27-10-1970	Raytheon Company, of Delaware, U.S.A.	Heat exchange system.
135.	129023	27-10-1970	Siemens AG, of Berlin & Munich, West Germany.	Dividing net works.
136.	129035	24-8-1971	Council of Scientific & Industrial Research, Rafi Marg, New Delhi-1.	Plastic filter to transmit near infra red radiation.
137.	129059	30-10-1970	Ugine Kuhkmann, 10 Rue de General Foy, Paris 8, France.	New composite material.
138.	129107	26-8-1971	Council of Scientific & Industrial Research, Rafi Marg, New Delhi-1.	Fuel burning devices.
139.	129113	4-11-1970	National Research Development Corporation, Kings-gate House, 66-74 Victoria St, London, S.W. 1, England.	Preparation of mixes containing fibrous substances.
140.	129114	4-11-1970	Universal Oil Products Company, 30, Algonquin Road, Des Plaines, Illinois, U.S.A.	Heat transfer tubing for boiling liquids.
141.	129126	6-11-1970	Girling Ltd., Kings Road, Tyseley, Birmingham 11, England.	Vehicle brakes.
142.	129137	7-11-1970	Borgs Fabriks Aktiebolag, of Norrköping, Sweden.	An air craft barrier net.
143.	129138	7-11-1970	Do.	Air craft arrester systems.
144.	129157	9-11-1970	Siemens AG, Berlin and Munich, West Germany.	Conveyor systems.
145.	129164	10-11-1970	Universal Oil Products Company, of 30 Algonquin Road, Des Plaines, Illinois, U.S.A.	Vehicle seats.
146.	129167	10-11-1970	Siemens AG., Berlin and Munich, West Germany.	A control arrangement.

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147.	129174	11-11-1970	Mitsubishi Jukogyo Kabushiki Kaisha, 5-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan.	Hydraulically loaded rolling mills.
148.	129199	12-11-1970	Feather Industries Ltd., of 1-600, Matsumari, Mino City, Gifu, Japan.	Operating knife.
149.	129204	12-11-1970	Gobe Union Inc., of 5757, N. Green Bay Avenue, Milwaukee, Wisconsin, U.S.A.	Apparatus for successively applying a plurality of coatings to a substrate.
150.	129205	12-11-1970	Do.	Apparatus for simultaneously applying a plurality of coating to a substrate.

S. VEDARAMAN,

Controller-General of Patents, Designs  
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